

Abstract

[0088] A mechanical storage battery which includes, a battery housing (16) with all its internals, there is a central computer (14) that monitors and controls the Stabilizing Battery, there is also a throttle positioning sensor that activates and de-activates the motor/generator which is connected to the internal combustion engine (ICE) when additional power output is required to assist the hybrid motor vehicle. Built into the central computer (14) housing there is a gyroscope (13) with its sensors are directly connected to the central computer (14). The central computer (14) monitors the sideways angle and the acceleration of the sideways angle of the of the motor vehicle. When the motor vehicle passes the acceptable level of lean and a roll over is about to happen, then the central computer (14) strategically informs the stators (12) which are placed 45 degrees off center of the movable rotors, how to function. Some of the stators (12) function like a generator and some of the stators function like a motor. With the stators (12) being independently activated by the central computer (14) and the movable weights (2) within the movable rotors (1), produces a torque action on the motor vehicle. Depending in which direction the motor vehicle is about to roll over, the Stabilizing Battery know from its built in sensors and will produce an opposite torque action on the motor vehicle, keeping all the wheels on the ground preventing a roll over, increasing the stability and control. When the motor vehicle has fully stabilized the gyroscope (13) will inform the central computer (14) and the central computer (14) informs all the stators (12) to stop functioning like an anti-roll system and start functioning like a mechanical battery once again until the next time an anti-roll system is needed.